

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning at page 8, line 5 with the following amended paragraph:

However, the emitted light, which is radiated out from the stimuable phosphor layer, has the light emission angle distribution such that, as the light radiating angle becomes large, the light intensity becomes low. Therefore, in cases where ~~th~~the emitted light, which has been radiated out from the stimuable phosphor layer, is detected from the oblique

Please replace the paragraph beginning at page 23, line 6 with the following amended paragraph:

Stimuable phosphor particles and a binder, which comprised an organic high-molecular weight material, were mixed together such that the weight ratio of the stimuable phosphor particles to the binder might fall within the range between approximately 30:1 and approximately 10:1. The resulting mixture was coated onto a substrate, and a stimuable phosphor layer was thus formed. In this case, since the proportion of the binder was small, the stimuable phosphor particles were exposed on the surface of the stimuable phosphor layer and constituted protruding regions, and a depression-protrusion pattern was thus formed on the surface of the stimuable phosphor layer. In this manner, as illustrated in Figure 6, a radiation image storage panel 100E comprising a substrate 5E and a stimuable phosphor layer 10E, which had been overlaid on the

substrate ~~5B~~5E, and which had the surface provided with the protruding regions of stimuable phosphor particles 3E, 3E, ..., was obtained.